

# **Prenatal Care**

**TITLE V INDICATOR TEMPLATE**

**INDICATOR:** First Trimester Onset of Prenatal Care (PNC)

**DEFINITION:** The percent of live born infants whose mothers received prenatal care in the first trimester of pregnancy

**NUMERATOR:** The number of live births to women who received prenatal care during the first trimester, by place of residence, in a calendar year

**DENOMINATOR:** The total number of live births, by place of residence, in a calendar year

**HEALTHY PEOPLE 2020 OBJECTIVE:**

Increase the proportion of pregnant women who receive prenatal care in the first trimester of pregnancy to 77.9 percent of live births.  
(Baseline: 70.8 percent of pregnant women in 2007) (Objective MICH-10.1)

**RISK FACTORS:**

**For not obtaining early prenatal care** Low income; young maternal age/teen pregnancy; low maternal education level; race/ethnicity (African American, Hispanic, American Indian/Alaska Native); high parity; maternal substance abuse; lack of health insurance; lack of obstetric providers

Year	Los Angeles County			
	First Trimester Prenatal Care		95% Confidence Interval	
	Number	Percent	Lower	Upper
2005	136,020	90.5	90.3	90.6
2006	137,077	90.3	90.1	90.4
2007	129,741	85.5	85.3	85.6
2008	123,251	83.5	83.3	83.6
2009	116,717	83.6	83.4	83.8
2010	110,516	83.0	82.8	83.2
2011	106,307	81.6	81.4	81.8
2012	106,996	81.2	81.0	81.5
2013	105,259	81.9	81.7	82.1
2014	108,161	83.1	82.9	83.3

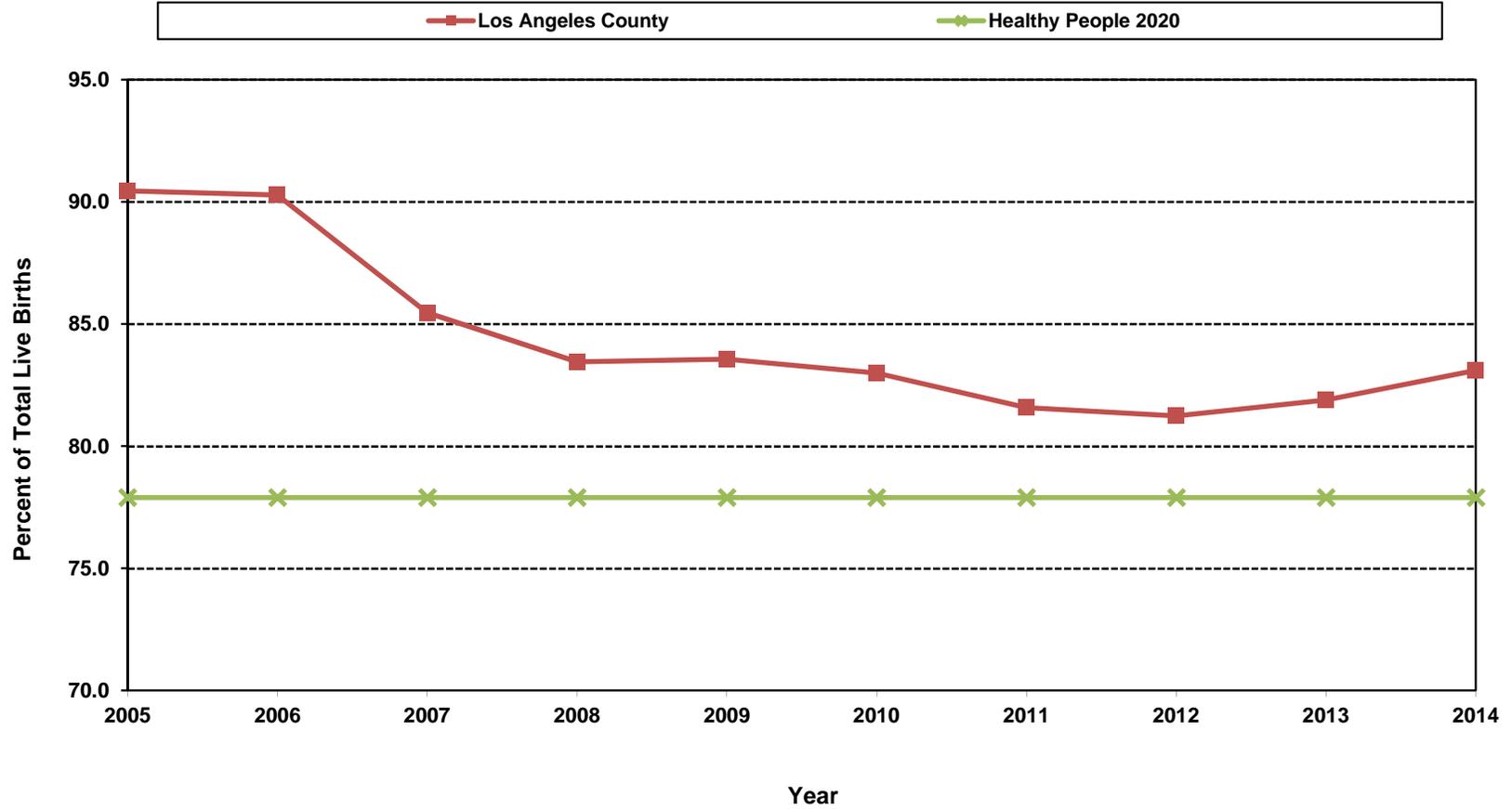
Denominator: Live Births	
Year	LA County
2005	150,377
2006	151,837
2007	151,813
2008	147,684
2009	139,679
2010	133,160
2011	130,313
2012	131,697
2013	128,526
2014	130,150

Note: The decrease in first-trimester entry in 2007 is due at least in part to a recategorization of this data in birth certificates.

This measure excludes the prenatal care experiences of all women whose pregnancies did not result in live births.

Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2005-2014.

### Percent of First Trimester Onset of Prenatal Care Los Angeles County, 2004-2014



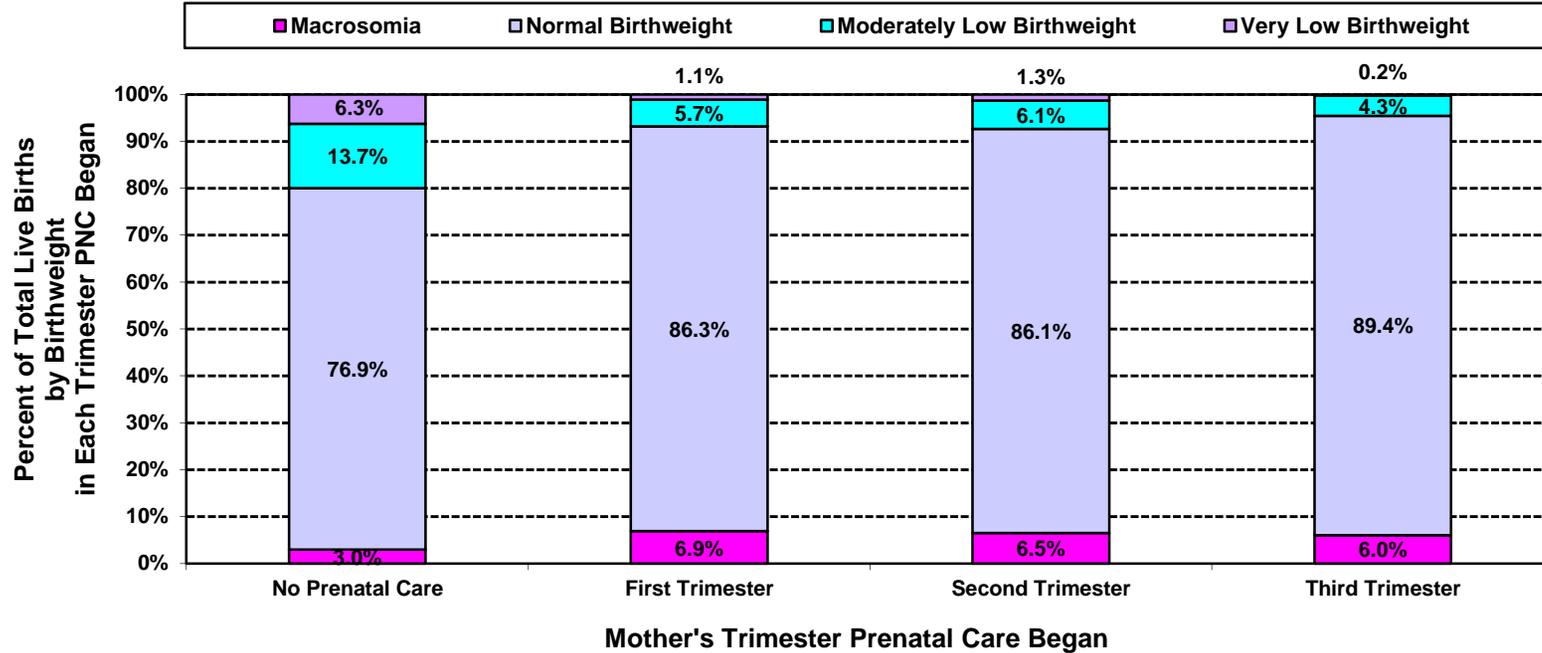
Year 2020 Objective: Increase the proportion of pregnant women who receive prenatal care in the first trimester of pregnancy to 77.9 percent of live births.

Note: The decrease in first-trimester entry in 2007 is due at least in part to a recategorization of this data in birth certificates.

This measure excludes the prenatal care experiences of all women whose pregnancies did not result in live births.

Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2005-2014.

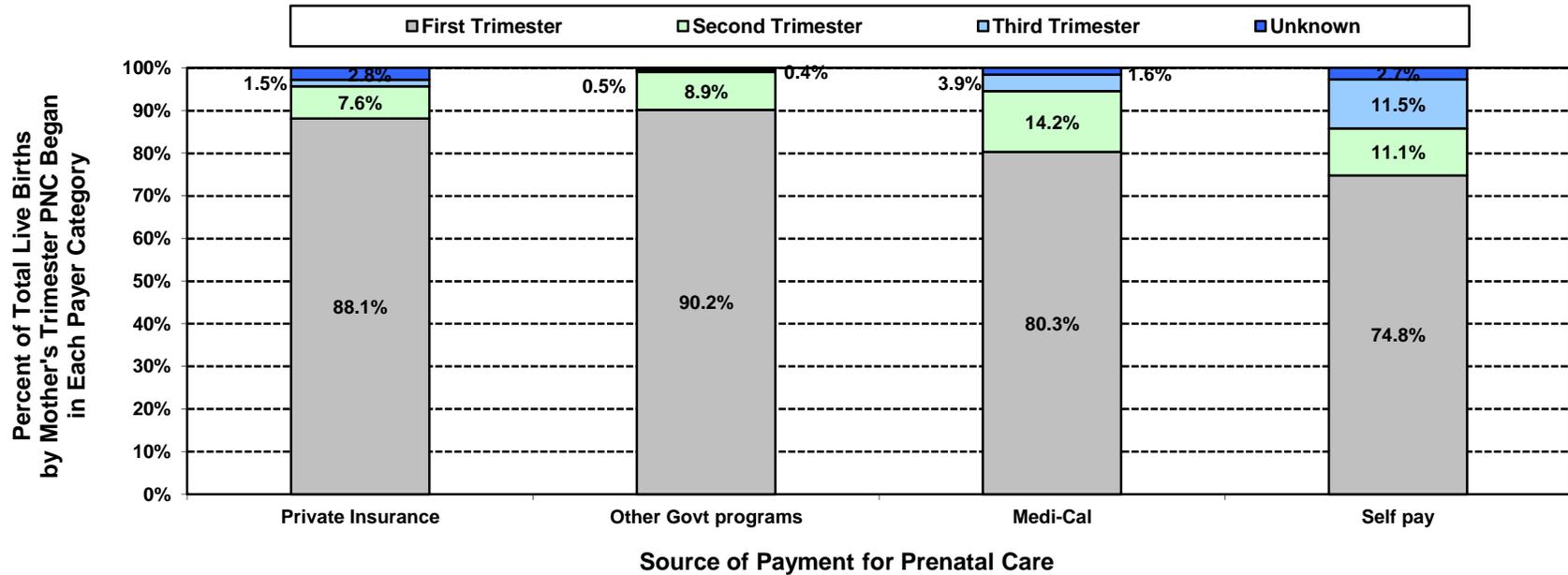
**Percent of Total Live Births  
by Birthweight and by Mother's Trimester Prenatal Care (PNC) Began  
Los Angeles County, 2014**



Los Angeles County, 2014									
Mother's Trimester Prenatal Care Began	Very Low Birthweight		Moderately Low Birthweight		Normal Birthweight		Macrosumia		Total Live Births
	0 to 1,499 grams		1,500 to 2,499 grams		2,500 to 3,999 grams		4,000+ grams		
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	
No Prenatal Care	34	6.3	74	13.7	417	76.9	16	3.0	542
First	1,232	1.1	6,118	5.7	93,366	86.3	7,441	6.9	108,161
Second	189	1.3	863	6.1	12,263	86.1	927	6.5	14,242
Third	10	0.2	189	4.3	3,891	89.4	261	6.0	4,351
Unknown	74	2.6	230	8.1	2,354	82.5	194	6.8	2,854
<b>Total</b>	<b>1,539</b>	<b>1.2</b>	<b>7,474</b>	<b>5.7</b>	<b>112,291</b>	<b>86.3</b>	<b>8,839</b>	<b>6.8</b>	<b>130,150</b>

Note: "Trimester Prenatal Care Began" excludes the prenatal care experiences of all women whose pregnancies did not result in a live birth.  
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2014

**Percent of Total Live Births by Mother's Trimester Prenatal Care (PNC) Began  
and by Source of Payment for Prenatal Care (PNC)  
Los Angeles County, 2014**



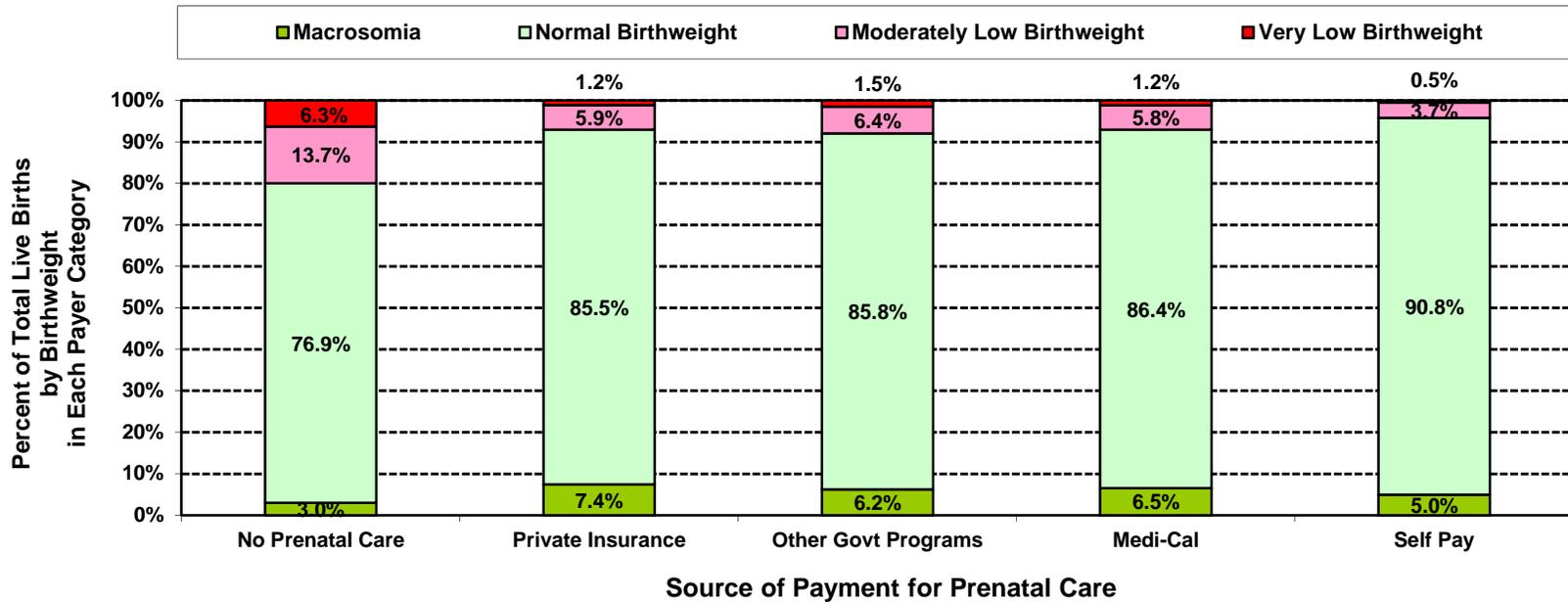
Los Angeles County, 2014											
Source of Payment for Prenatal Care	No Prenatal Care		Mother's Trimester Prenatal Care Began						Unknown		Total Live Births
			First		Second		Third				
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	
No Prenatal Care	542	100.0	0	0.0	0	0.0	0	0.0	0	0.0	542
Private Insurance	0	N/C	48,049	88.1	4,130	7.6	806	1.5	1,527	2.8	54,512
Other Govt Programs	0	N/C	2,475	90.2	243	8.9	12	0.4	15	0.5	2,745
Medi-Cal	0	N/C	48,267	80.3	8,544	14.2	2,329	3.9	947	1.6	60,087
Self Pay	0	N/C	7,548	74.8	1,116	11.1	1,158	11.5	271	2.7	10,093
Other/Unknown	0	N/C	1,822	83.9	209	9.6	46	2.1	94	4.3	2,171
<b>Total</b>	<b>542</b>	<b>0.4</b>	<b>108,161</b>	<b>83.1</b>	<b>14,242</b>	<b>10.9</b>	<b>4,351</b>	<b>3.3</b>	<b>2,854</b>	<b>2.2</b>	<b>130,150</b>

Note: "Trimester Prenatal Care Began" excludes the prenatal care experiences of all women whose pregnancies did not result in a live birth.

Numbers fewer than 5 are shown as "<5". Rates are not calculated (N/C) if number is fewer than five.

Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2014

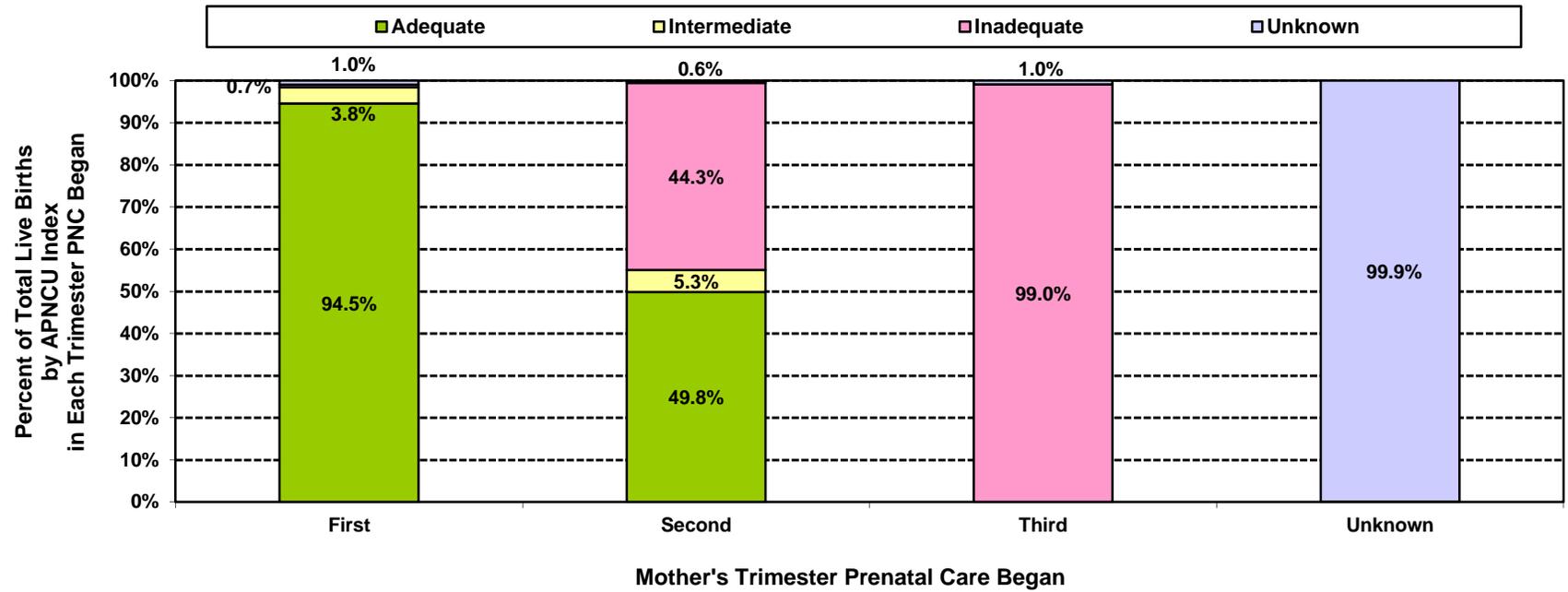
**Percent of Total Live Births  
by Birthweight and by Source of Payment for Prenatal Care (PNC)  
Los Angeles County, 2014**



Los Angeles County, 2014									
Source of Payment for Prenatal Care	Very Low Birthweight		Moderately Low Birthweight		Normal Birthweight		Macrosomia		Total Live Births
	0 to 1,499 grams		1,500 to 2,499 grams		2,500 to 3,999 grams		4,000+ grams		
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	
No Prenatal Care	34	6.3	74	13.7	417	76.9	16	3.0	542
Private Insurance	631	1.2	3,218	5.9	46,610	85.5	4,052	7.4	54,512
Other Govt Programs	42	1.5	177	6.4	2,356	85.8	170	6.2	2,745
Medi-Cal	744	1.2	3,509	5.8	51,904	86.4	3,928	6.5	60,087
Self Pay	53	0.5	373	3.7	9,166	90.8	500	5.0	10,093
Other/Unknown	35	1.6	123	5.7	1,838	84.7	173	8.0	2,171
<b>Total</b>	<b>1,539</b>	<b>1.2</b>	<b>7,474</b>	<b>5.7</b>	<b>112,291</b>	<b>86.3</b>	<b>8,839</b>	<b>6.8</b>	<b>130,150</b>

Note: "Trimester Prenatal Care Began" excludes the prenatal care experiences of all women whose pregnancies did not result in a live birth.  
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2014

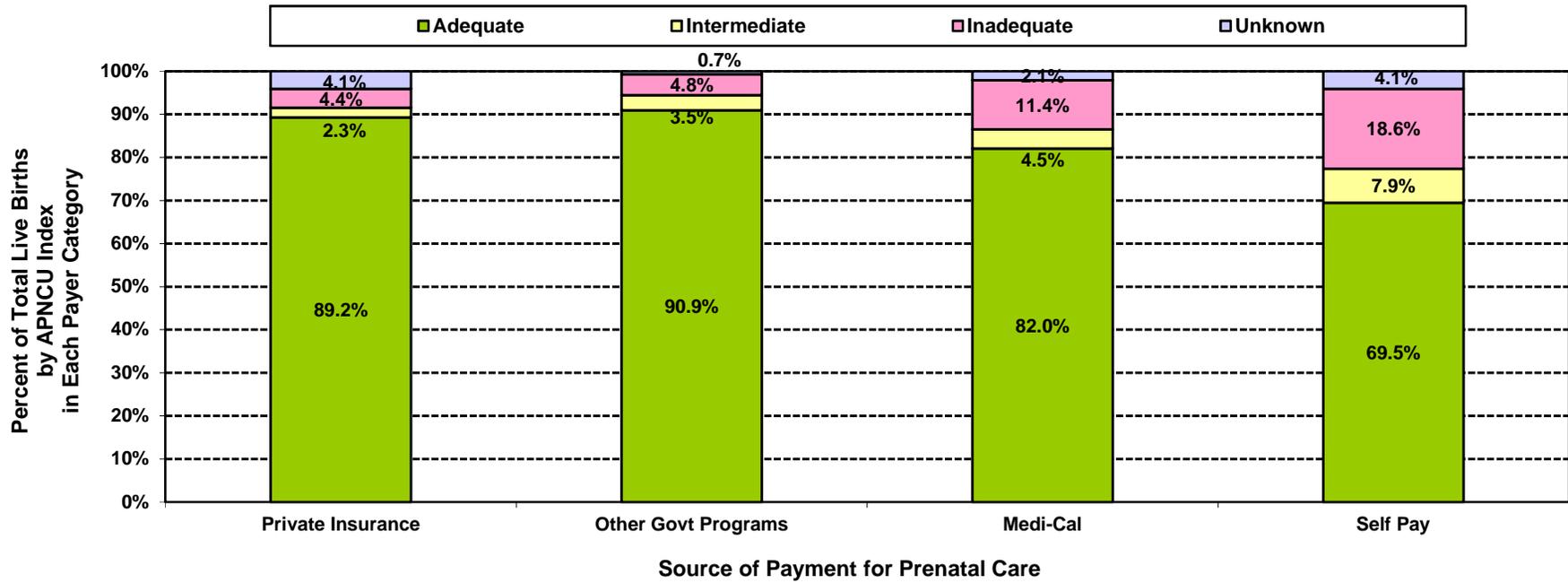
**Percent of Total Live Births by Adequacy of Prenatal Care Utilization Index  
and by Mother's Trimester Prenatal Care (PNC) Began  
Los Angeles County, 2014**



Los Angeles County, 2014									
Mother's Trimester Prenatal Care Began	Adequacy of Prenatal Care Utilization Index						Unknown		Total Live Births
	Adequate		Intermediate		Inadequate		Number	Percent	
	Number	Percent	Number	Percent	Number	Percent			
No Prenatal Care	0	0.0	0	0.0	542	100.0	0	0.0	542
First	102,247	94.5	4,115	3.8	721	0.7	1,078	1.0	108,161
Second	7,092	49.8	753	5.3	6,316	44.3	81	0.6	14,242
Third	<5	N/C	<5	N/C	4,309	99.0	42	1.0	4,351
Unknown	<5	N/C	<5	N/C	<5	N/C	2,852	99.9	2,854
<b>Total</b>	<b>109,340</b>	<b>84.0</b>	<b>4,868</b>	<b>3.7</b>	<b>11,889</b>	<b>9.1</b>	<b>4,053</b>	<b>3.1</b>	<b>130,150</b>

Note: "Trimester Prenatal Care Began" excludes the prenatal care experiences of all women whose pregnancies did not result in a live birth. Numbers fewer than 5 are shown as "<5". Rates are not calculated (N/C) if number is fewer than five.  
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2014

**Percent of Total Live Births by Adequacy of Prenatal Care Utilization Index  
and by Source of Payment for Prenatal Care (PNC)  
Los Angeles County, 2014**



Los Angeles County, 2014									
Source of Payment for Prenatal Care	Adequacy of Prenatal Care Utilization Index						Unknown		Total Live Births
	Adequate		Intermediate		Inadequate		Number	Percent	
	Number	Percent	Number	Percent	Number	Percent			
No Prenatal Care	0	0.0	0	0.0	542	100.0	0	0.0	542
Private Insurance	48,650	89.2	1,237	2.3	2,384	4.4	2,241	4.1	54,512
Other Govt Programs	2,496	90.9	97	3.5	133	4.8	19	0.7	2,745
Medi-Cal	49,301	82.0	2,684	4.5	6,832	11.4	1,270	2.1	60,087
Self Pay	7,010	69.5	798	7.9	1,875	18.6	410	4.1	10,093
Other/Unknown	1,883	86.7	52	2.4	123	5.7	113	5.2	2,171
<b>Total</b>	<b>109,340</b>	<b>84.0</b>	<b>4,868</b>	<b>3.7</b>	<b>11,889</b>	<b>9.1</b>	<b>4,053</b>	<b>3.1</b>	<b>130,150</b>

Note: Numbers fewer than 5 are shown as "<5". Rates are not calculated (N/C) if number is fewer than five.  
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2014

**TITLE V INDICATOR TEMPLATE**

**INDICATOR:** Percent of Total Live Births by Adequacy of Prenatal Care Utilization (APNCU) Index

**DEFINITION:** The percent of live born infants whose mothers received adequate prenatal care as defined by the Adequacy of Prenatal Care Utilization Index (APNCU) developed by Milton Kotelchuck. This index does not assess the quality of the prenatal care that is delivered.

**NUMERATOR:** The number of live births to women who received adequate care, as defined by the APNCU criteria, by place of residence, in a calendar year

**DENOMINATOR:** The total number of live births, by place of residence, in a calendar year

**HEALTHY PEOPLE 2020 OBJECTIVE:**  
 Increase the proportion of pregnant women who receive early and adequate prenatal care to 77.6 percent of live births.  
 (Baseline: 70.5 percent of pregnant women in 2007) (Objective MICH-10.2)

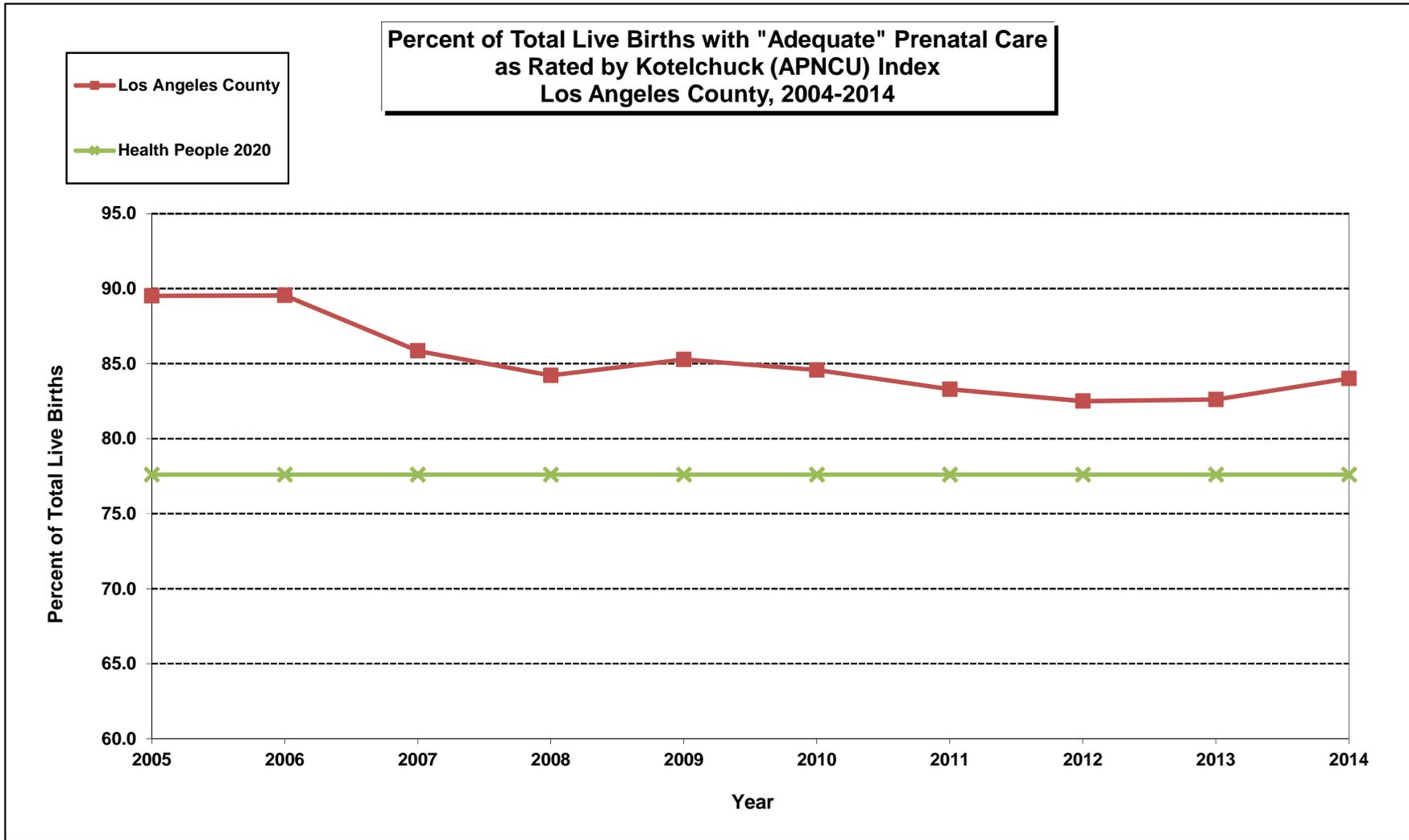
**RISK FACTORS:** **Inadequate Prenatal Care**  
 Low income; young maternal age/teen pregnancy; low maternal education level; race/ethnicity (African American, Hispanic, American Indian/Alaskan Native); high parity; maternal substance abuse; lack of health insurance; lack of obstetric providers

Year	Los Angeles County			
	Adequate Prenatal Care		95% Confidence Interval	
	Number	Percent	Lower	Upper
2005	134,611	89.5	89.4	89.7
2006	135,961	89.5	89.4	89.7
2007	130,333	85.9	85.7	86.0
2008	124,381	84.2	84.0	84.4
2009	119,111	85.3	85.1	85.5
2010	112,631	84.6	84.4	84.8
2011	108,553	83.3	83.1	83.5
2012	108,651	82.5	82.3	82.7
2013	106,172	82.6	82.4	82.8
2014	109,340	84.0	83.8	84.2

Denominator: Live Births	
Year	LA County
2005	150,377
2006	151,837
2007	151,813
2008	147,684
2009	139,679
2010	133,160
2011	130,313
2012	131,697
2013	128,523
2014	130,150

**Note:** The APNCU Index measures prenatal care utilization, which includes consideration of the month prenatal care began and the number of prenatal care visits during the time mothers actually received prenatal care. This utilization index is based on the recommendations established by the American College of Obstetrics and Gynecologists (ACOG). Appendix A contains the specific criteria for timing and number of prenatal care visits that are used to assign adequacy categories. Due to the change in methodology for calculating the Kotelchuck Index, data presented may not be comparable to those published in previous FHOP reports.

**Source:** California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2005-2014.



Year 2020 Objective: Increase the proportion of pregnant women who receive early and adequate prenatal care to 77.6 percent of live births.

Note: The APNCU Index measures prenatal care utilization, which includes consideration of the month prenatal care began and the number of prenatal care visits during the time mothers actually received prenatal care. This utilization index is based on the recommendations established by the American College of Obstetrics and Gynecologists (ACOG). Appendix A contains the specific criteria for timing and number of prenatal care visits that are used to assign adequacy categories. Due to the change in methodology for calculating the Kotelchuck Index, data presented may not be comparable to those published in previous FHOP reports.

Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2005-2014.